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REC'D 1 1 JAN 2005

### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

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(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 4-32744A  FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/4)	116)			
International application No.  PCT/IB 03/04671  International filing date (day/month/year)  20.10.2003  Priority date (day/month/year)  25.10.2002				
International Patent Classification (IPC) or both national classification and IPC A61K31/506				
Applicant THE ADMINISTRATORS OF THE TULANE EDUCATIONAL FUND				
This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.				
2. This REPORT consists of a total of 5 sheets, including this cover sheet.				
This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).				
These annexes consist of a total of sheets.				
This report contains indications relating to the following items:				
I ⊠ Basis of the opinion				
II Priority				
III   Non-establishment of opinion with regard to novelty, inventive step and industrial applicability				
IV ☐ Lack of unity of invention				
V Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applications and explanations supporting such statement	ability;			
VI    Certain documents cited				
VII   Certain defects in the international application				
VIII   Certain observations on the international application				
Date of submission of the demand Date of completion of this report				
15.04.2004				
Name and mailing address of the international  Authorized Officer				
preliminary examining authority:				
1 Formula District	ther betrated.			
European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d  Albrecht, S				

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/IB 03/04671

l. Basi	s of th	ne report
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1. With regard to the **elements** of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

	Des	cription, Pages		
	1-9		as originally filed	
Claims, Numbers				
	1-10	)	as originally filed	
2.	<ol><li>With regard to the language, all the elements marked above were available or furnished to this Authority in language in which the international application was filed, unless otherwise indicated under this item.</li></ol>			
	The	se elements were ava	ailable or furnished to this Authority in the following language: , which is:	
		the language of a tra	nslation furnished for the purposes of the international search (under Rule 23.1(b)).	
			ication of the international application (under Rule 48.3(b)).	
		the language of a tra Rule 55.2 and/or 55.3	nslation furnished for the purposes of international preliminary examination (under 3).	
3.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:			
		contained in the inter	rnational application in written form.	
		filed together with the	e international application in computer readable form.	
		furnished subsequen	utly to this Authority in written form.	
		furnished subsequen	itly to this Authority in computer readable form.	
		The statement that the international approximation of the international approximation of the statement of th	ne subsequently furnished written sequence listing does not go beyond the disclosure pplication as filed has been furnished.	
		The statement that the listing has been furni	ne information recorded in computer readable form is identical to the written sequence shed.	
4.	The	amendments have re	esulted in the cancellation of:	
		the description,	pages:	
		the claims,	Nos.:	
		the drawings,	sheets:	
5.		This report has been been considered to g	established as if (some of) the amendments had not been made, since they have so beyond the disclosure as filed (Rule 70.2(c)).	
		(Any replacement sh report.)	eet containing such amendments must be referred to under item 1 and annexed to this	
6.	Add	litional observations, i	f necessary:	

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III. Non-establishment of opinion with regard to novelty, inventive step	and industrial applica	ability
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۱.	The obv	The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non- obvious), or to be industrially applicable have not been examined in respect of:			
		the entire international applica	tion,		
		claims Nos. 10			
		because:			
	×	the said international applicati the following subject matter w	on, or hich do	the said clain bes not requi	ns Nos. 10 (with respect to industrial applicability) relate to re an international preliminary examination (specify):
		see separate sheet			
		the description, claims or draw that no meaningful opinion cou	vings (	indicate parti formed (spec	cular elements below) or said claims Nos. are so unclear cify):
		the claims, or said claims Nos could be formed.	. are s	o inadequate	ly supported by the description that no meaningful opinion
		no international search report	has be	en establish	ed for the said claims Nos.
2.	or a	A meaningful international preliminary examination cannot be carried out due to the failure of the nucleotide and or amino acid sequence listing to comply with the standard provided for in Annex C of the Administrative Instructions:			
		the written form has not been	furnish	ned or does n	ot comply with the Standard.
		the computer readable form h	as not	been furnish	ed or does not comply with the Standard.
٧.	Rea cita	asoned statement under Artic ations and explanations supp	ele 35( orting	2) with regar	rd to novelty, inventive step or industrial applicability; nent
1.	Sta	tement			
	Nov	velty (N)	Yes: No:	Claims Claims	3,4,8,9 1,2,5-7,10
	Inve	entive step (IS)	Yes: No:	Claims Claims	1-10
	Indi	ustrial applicability (IA)	Yes: No:	Claims Claims	1-9
2.	Cita	ations and explanations			

see separate sheet

**EXAMINATION REPORT - SEPARATE SHEET** 



### Re Item III

Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

Claim 10 relates to subject-matter considered by this Authority to be covered by the provisions of Rule 67.1(iv) PCT. Consequently, no opinion will be formulated with respect to the industrial applicability of the subject-matter of this claim (Article 34(4)(a)(I) PCT).

### Re Item V

Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

The documents cited in the Search Report (SR) are consecutively numbered D1-D6 in this communication; this numbering will be adhered to in the rest of the procedure. The cited passage(s) for each citation will be considered unless otherwise specified.

### **V.1 Novelty**

V.1.1. Claims 1, 2, 5-7, 10 do not appear to be novel in the sense of Article 33 (2) PCT, the reasons being as follows:

D2 discloses the use of a peptide in combination with imatinib mesylate for the treatment of primary or secondary pulmonary hypertension, and therefore anticipates the subjectmatter of claims 1, 2, 5-7 and 10.

V.1.2. Claims 3, 4, 8 and 9 appear to be novel over the available prior art, since none of the cited documents discloses the therein mentioned specific features.

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### V.2. Inventive step

### V.2.1. Claims 3, 4:

Dependent claims 3, 4 do not seem to contain any features which, in combination with the features of claim 1 to which they refer, meet the requirements of the PCT in respect of inventive step, because the therein mentioned technical features do not produce any surprising or unexpected technical effects in comparison with the state of the art.

### V.2.2. Claims 8, 9:

These claims do not involve an inventive step in the sense of Article 33(3) PCT either, since the combined use of imatinib and a further therapeutic agent, which is a known remedy in the treatment of pulmonary hypertension, comes within the scope of the customary practice followed by persons skilled in the art.

### V.3. Industrial Applicability

For the assessment of the present claim 10 on the question whether it is industrially applicable, no unified criteria exist in the PCT Contracting States. The patentability can also be dependent upon the formulation of the claims. The EPO, for example, does not recognize as industrially applicable the subject-matter of claims to the use of a compound in medical treatment, but may allow, however, claims to a known compound for first use in medical treatment and the use of such a compound for the manufacture of a medicament for a new medical treatment.

#### V.4. Further remarks

V.4.1. Although D1, cited as P document in the international search report, is not a valid prior art document pursuant to Rule 64.1 PCT, it discloses all the features of claims 1, 3, 6-10.

V.4.2. Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in the document D2 is not mentioned in the description, nor is this document identified therein.